

INFORMATION DISCLOSURE STATEMENT

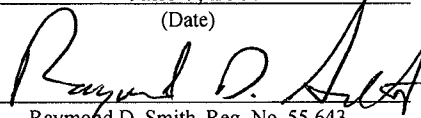
Applicant : Singh-Gill et al.
App. No : 10/580,147
Filed : May 18, 2006
For : SYNTHETIC MOLECULES HAVING
IMMUNE ACTIVITY
Examiner : Unknown
Art Unit : 1646

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Raymond D. Smith, Reg. No. 55,643

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 39 references to be considered by the Examiner. Also enclosed are 39 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: June 7, 2007By: 

Raymond D. Smith
Registration No. 55,634
Agent of Record
Customer No. 20,995
(805) 547-5580

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/580,147
	Filing Date	May 18, 2006
	First Named Inventor	Singh-Gill et al.
	Art Unit	1646
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 1 OF 3	Attorney Docket No.	AJPARK38.001APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	1	JP 06271597 A2	09-27-1994	D D S KENKYUSHO:KK		
	2	WO 94/21656	09-29-1994	Genzyme Corporation		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	3	BENNETT, C.F. et al. 1997 "An ICAM-1 antisense oligonucleotide prevents and reverses dextran sulfate sodium-induced colitis in mice" <i>J Pharmacol Exper Ther</i> 280 :988-1000	
	4	CROSSMAN, A. et al. 1997 "Parasite glycoconjugates. Part 7. Synthesis of further substrate analogues of early intermediates in the biosynthetic pathway of glycosylphosphatidylinositol membrane anchors" <i>J Chem Soc, Perkin Trans</i> 1 :2769-2774.	
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	7	GIGG, J. et al. 1985 "Synthesis of propyl 4-O-(3,6-Di-O-methyl-β-D-glucopyranosyl)-2,3-di-O-methyl-α-D-rhamnopyranoside" <i>Carbohydrate Res</i> 141 :91-97.	
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	10	GREEN, M.M. et al. 1987 "Broken worm and wormlike models for polyisocyanates" <i>Macromolecules</i> 20 :2636-2638.	
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	12	HALLORAN, M.M. et al. 1996 "Cellular adhesion molecules in rat adjuvant arthritis" <i>Arthritis and Rheumatism</i> 39 :810-819.	

Examiner Signature	Date Considered
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	13	HASEGAWA, Y. et al. 1994 "Prevention of autoimmune insulin-dependent diabetes in non-obese diabetic mice by anti-LFA-1 and anti-ICAM-1 mAB" <i>Int Immunol</i> 6 : 831-838.	
	14	HEROLD, K.C. et al. 1994 "Prevention of autoimmune diabetes by treatment with anti-LFA-1 and anti-ICAM-1 monoclonal antibodies" <i>Cellular Immunol</i> 157 :489-500.	
	15	HERZ U et al. 1998 "BCG infection suppresses allergic sensitization and development of increased airway reactivity in an animal model" <i>J Allergy Clin Immunol</i> 102 :867-874	
	16	HIROOKA M. et al. 2003 "Glycosylation using hemiacetal sugar derivatives: synthesis of O- α -D-rhamnosyl-(1 \rightarrow 3)-O- α -D-rhamnosyl-(1 \rightarrow 2)-D-rhamnose and - α -D-Tyvelosyl-(1 \rightarrow 3)-O- α -D-mannosyl-(1 \rightarrow 4)-L-rhamnose" <i>Bull Chem Soc Jpn</i> 76 :1409-1421.	
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	19	IRANPOOR, N. et al. 1996 "FeCl ₃ -6H ₂ O supported on SiO ₂ catalyzed ring-opening of epoxides with alcohols, acetic acid, water, chloride, bromide, and nitrate ions" <i>Synthesis</i> : 1473-1476.	
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	21	KAKIMOTO, K. et al. 1992 "The effect of anti-adhesion molecule antibody on the development of collagen-induced arthritis" <i>Cellular Immunol</i> 142 :326-337.	
	22	KNOERZER, D.B. et al. 1997 "Clinical and histological assessment of collagen-induced arthritis progression in the diabetes-resistant BB/Wor Rat" <i>Toxicol Pathol</i> 25 :13-19.	
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	26	LINDBERG, J. et al. 2002 "Efficient synthesis of phospholipids from glycidyl phosphates" <i>J Org Chem</i> 67 :194-199.	
	27	LINDHORST, T.K. et al. 2000 "Cluster mannosides as inhibitors of type 1 fimbriae-mediated adhesion of <i>Escherichia coli</i> : pentaerythritol derivatives as scaffolds" <i>Eur J Org Chem</i> 2027-2034.	

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	28	MULLIGAN, M.S. et al. 1995 "Compartmentalized roles for leukocytic adhesion molecules in lung inflammatory injury" <i>J Immunol</i> 154 :1350-1363.	
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	38	ZALIPSKY S. et al. 1999 "New chemoenzymatic approach to glycol-lipopolymers: practical preparation of functionally active galactose-poly(ethylene glycol)-distearoylphosphatidic acid (Gal-PEG-DSPA) conjugate" <i>Chem Commun</i> 7 :653-654.	
	39	ZALIPSKY S et al. 2002 "Phospholipase D mediated synthesis of PEG-lipids for liposomal drug delivery" <i>Polymer Preprints</i> 43 :710.	

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